

Table 2: Operative Characteristics of Cohort

Patient	Imaging performed	Presence of hematocolpos	Duration from presentation to definitive surgery (days)	Visits Prior to Definitive Surgery	Definitive procedure performed	Duration of definitive surgery (minutes)	Surgeons present	Complications	Medical management	Number of additional surgeries	Total number of days hospitalized
Undiagnosed obstructive anomaly, two-step management											
1	US, MRI	Yes	600	9	1. Diagnostic laparoscopy 2. Cystoscopy with stent 3. Exploratory laparotomy 4. Unification of hemivagina 5. Vaginoplasty (non-native, distal sigmoid graft)	629	PAG, Pediatric Surgeon, Pediatric Urology	None	GnRH agonist/ antagonist	3	7
2	MRI, CT	No	1289	10	1. Laparoscopic mobilization of vagina 2. Lysis of adhesions 3. Vaginoplasty (native)	288	PAG, Pediatric Surgeon	None	Oral progestin, GnRH agonist/ antagonist	2	4
3	CT	Yes	732	6	1. Diagnostic laparoscopy 2. Vaginoplasty (native) 3. Cystotomy repair	345	PAG, Pediatric Surgeon	None	Oral progestin, GnRH agonist/ antagonist	3	7
4	US, MRI	Yes	438	4	1. Posterior sagittal anorectoplasty 2. Vaginoplasty (native)	245	PAG, Pediatric Surgeon	None	Continuous OCP	2	10
5	US, MRI, CT	Yes	211	7	1. Exploratory laparotomy 2. Posterior sagittal anorectal vaginal urethroplasty 3. Vaginoplasty (native) 4. Cystoscopy	518	PAG, Pediatric Surgeon	Re-stenosis	Unknown	5	6
6	US	Yes	920	5	1. Vaginoscopy 2. Cystoscopy with stent placement 3. Mini laparotomy 4. Vaginoplasty (native)	719	PAG, Pediatric Surgeon, Pediatric Urology	None	Oral progestin, GnRH agonist/ antagonist	5	10
7	US, MRI	Yes	587	8	1. Diagnostic laparoscopy 2. Exploratory laparotomy 3. Vaginoplasty (non-native, bowel graft) 4. Resection of right uterine horn	850	PAG, Pediatric Surgeon	Re-stenosis, Vaginal infection with TOA and sepsis, Hysterectomy	GnRH agonist/ antagonist	3	10
Average (mean +/- SD)			682 ± 347	7 ± 2		513 ± 230				3 ± 2	8 ± 3
Undiagnosed obstructive anomaly, one-step management											
8	US, MRI	Yes	9	Unknown	1. Perineal dissection 2. Drainage of hematocolpos 3. Vaginoplasty (native) 4. Repair of rectal injury	Unknown	PAG, Pediatric Surgeon	Rectal injury, Vesico-vaginal fistula	None	2	7
9	US	Yes	4	Unknown	1. Resection of transverse vaginal septum 2. Drainage of hematocolpos	133	Pediatric Surgeon	Re-stenosis	Oral progestin	2	5
Diagnosed obstructive anomaly											
10	US, MRI (x2)	Yes	1657	3	1. LSC mobilization of the vagina 2. Vaginoplasty, native	396	PAG, Pediatric Surgeon	None	GnRH agonist/ antagonist	2	7